Contents of Volume 6

Number 1

iii **Editorial**

1 **Ultrastructural Study of the Ciliated Cells from Renal Tubular Epithelium in Acute Progressive Glomerulonephritis** G. Lungarella, M. M. de Santi, and P. Tosi

9 **Intraluminal Calcium Hydroxyapatite Crystals in Breast Carcinoma: An Ultrastructural Study** Jacqueline A. Torell, James P. Knight, and Peter B. Marcus

15 **Immunohistochemical and Ultrastructural Analysis of Bronchopulmonary Neuroendocrine Neoplasms. I. Carcinoids** William H. Warren, Vincent A. Memoli, and Victor E. Gould

29 **Pleomorphic Carcinoma of the Gallbladder: Case Report and Ultrastructural Study** Charles E. Alpers and Edward A. Smuckler

39 **Freeze-Fracture Analysis of Epithelial Cell Lysosomal Inclusions in Crohn's Disease** Michael L. Marin, Adrian J. Greenstein, Stephen A. Geller, Ronald E. Gordon, and Arthur H. Aufses, Jr.

45 **Absence of Cilia and Basal Bodies with Predominance of Brush Cells in the Respiratory Mucosa from a Patient with Immotile Cilia Syndrome** Ronald E. Gordon and Meyer Kattan

51 **Human Osteogenic Sarcoma: Fine Structure of the Chondroblastic Type** André Stark, Tomas Aparisi, and Jan L. Ericsson

69 **Cardiac Myxoma: Histochemical and Ultrastructural Localization of Glycosaminoglycans and Proteoglycans** Ronald M. Y. Lam, Earl T. Hawkins, and Joseph Roszka

83 *The Quarterly Case* **Late Development of Metastases from Retroperitoneal Paraganglioma** Wellington Jao, William H. Warren, Gregorio Chejfec, and Victor E. Gould

89 *New Techniques* **The Use of Fresh-Frozen Tissue in Diagnostic Transmission Electron Microscopy** D. M. McGinley, Z. Posalaky, and I. P. Posalaky

99 *A Case for the Panel* **Honeycomb Structures in Tumor Cells**

105 *A Case for the Panel* **Crystalloid Structures in Muscle Biopsies**

109 **Readers' Forum**

115 **Book Reviews**

Numbers 2-3

iii **Editorial**

117 **Pleomorphism of *Legionella Pneumophila*** Sheila Moriber Katz, Shahab Hashemi, Kristy R. Brown, William A. Habib, and Jay M. Hammel

131 **Surface Ultrastructure of the Small Intestine Mucosa in Healthy Children and Adults: A Scanning Electron Microscopic Study with Some Methodologic Aspects** Roger Stenling, Bo Fredrikzon, Henry Nyhlin, Herbert F. Helander, and Sture Falkmer

141 **Neuroendocrine Carcinoma of Skin with Simultaneous Cytokeratin Expression** William R. Green, R. Ilona Linnoila, and Timothy J. Triche

153 **The Ultrastructure of Chondroid Syringoma (Mixed Tumor of Skin)** R. C. Jaworski

161 **Ribosome-Lamella Complex of the Lymphocytes in a Case of Plasmacytic Lymphadenopathy with Polyclonal Hypergammaglobulinemia** Atsuo Mikata, Shigeo Suzuki, Hiroshi Suzuki, Osamu Higo, and Masanori Shimoyama

167 **So-Called Glandular Schwannoma: Ependymal Differentiation in a Case** Katherine DeSchryver and Daniel J. Santa Cruz

177 **Occluding Junctions in an Epithelioid Mesothelioma: A Freeze-Fracture Study** Zoltan Posalaky and Dennis McGinley

185 **Arteriolar Lesions in Human Renal Biopsy Material with Special Regard to the Ultrastructural Changes in the Basal Lamina Network of the Vascular Wall** A. Mágori, J. Ormos, S. Sonkodi, S. Túri, J. Zombori, B. Iványi, and É. Kemény

199 **Amiodarone Pulmonary Toxicity** T. Colgan, G. T. Simon, J. M. Kay, S. O. Pugsley, and J. Eydt

209 **Ultrastructural Similarities and Differences of Synovial Sarcoma, Epithelioid Sarcoma, and Clear Cell Sarcoma of the Tendons and Aponeuroses** Luciano Lombardi and Franco Rilke

221 **Ultrastructural Cytochemistry of Intranuclear Dense Granules in Nasopharyngeal Angiofibroma** A. Topilko, A. Zakrzewski, E. Pichard, and A. Viron

229 *Brief Report* **Optically Clear Endometrial Nuclei** H. J. Sobel, E. Marquet, R. Schwarz, and M. T. Mazur

233 *The Quarterly Case* **Sublingual Tumor in a Five-Year-Old Boy** J. M. Martinez-Peñuela and E. Urbiola

239 *New Techniques* **Low Temperature Backscattered Electron Imaging in the Study of Human Tissues** Kenneth Oates, Patricia O'Connor, Dugald L. Gardner, and Constance R. Orford

247 *New Techniques* **Diagnostic Electron Microscopy on Reembedded ("Popped Off") Areas of Large Spurr Epoxy Sections** P. Anthony di Sant'Agnese and Karen L. De Mesy-Jensen

255 *Case for the Panel* **Collar Button Nuclei**

259 *Case for the Panel* **Neurosecretory Granules in Mitochondria**

265 *Case for the Panel* **Globoid Fibrillar Inclusions in Hepatocellular Carcinoma**

269 **Obituary**

271 **Readers' Forum**

273 **Announcements**

Number 4

iii **Editorial**

275 **Tannic Acid Binding of Cell Surfaces in Normal, Premalignant, and Malignant Squamous Epithelium of the Human Uterine Cervix** J. Hans M. Davina, Gerda E. M. Lamers, Urbain J. G. M. van Haelst, Peter Kenemans, and Adrianus M. Stadhouders

285 **Cilia in the Human Kidney** Sheila Moriber Katz and Joseph J. Morgan

295 **Surface Ultrastructure of the Small Intestine Mucosa in Children with Celiac Disease. I. Untreated Disease and Effects of Long-Term Gluten Elimination and Challenge** Roger Stenling, Bo Fredrikzon, Staffan Engberg, and Sture Falkmer

307 **Chronic Myelocytic Leukemia: Ultrastructural Histopathology of Bone Marrow from Patients in the Chronic Phase** Fumio Kuto, Takashi Nagaoka, Yoshihiko Watanabe, Masatoshi Hayashi, Yumi Horasawa, Yasushi Hirasawa, and Hideo Tokuhiro

319 **Placental Site Trophoblastic Tumor of the Uterus: An Ultrastructural and Immunohistochemical Study** G. Berger, J. Verbaere, and J. Feroldi

331 **Ultrastructure of Human Respiratory Cilia: A Study Based on Serial Sections** Markus Rautiainen, Yrjö Collan, Juhani Nuutinen, and Juhani Kärjä

341 *The Quarterly Case* **Small Cell Tumor in a 24-Year-Old Male** Jahn M. Nesland and Jan Vincents Johannessen

347 *New Techniques* **A Fast Method for Processing Biopsy Material for Electron Microscopy** Dusan Baic and Branka Baic

351 *Case for the Panel* **Amelanotic Malignant Melanoma**

359 *Case for the Panel* **Cytoplasmic Vacuoles**

363 **Readers' Forum**

Following page 363:

Title Page to Volume 6

Contents of Volume 6

Author Index to Volume 6

Subject Index to Volume 6